

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/000824

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl.?: E04C 3/04, 3/07, 3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 DWPI; IPC B21D 5/-, E04C 3/- E04B 1/-, F21/IC & keywords; truss, beam, girder, column, hollow, open, void, cavity, flange, lip, tip, ratio, proportion, rolled, formed and similar terms

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 550578 B1 (TUBE TECHNOLOGY PTY LTD) 2 April 1997 See Fig 22(a)	1-12, 15-21, 23-29
A	Derwent Abstract Accession No. 91-071965/10, Class P52, SU 1558529-A (UKR METALS RES INST) 23 April 1990	
A	DT 2459421 A1 (GALLER KG) 24 June 1976	
A	WO 1994/023149 A1 (BASS) 13 October 1994	

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"E" earlier application or patent but published on or after the international filing date

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"O" document referring to an oral disclosure, use, exhibition or other means

"&" document member of the same patent family

"P" document published prior to the international filing date but later than the priority date claimed

Date of the actual completion of the international search
15 July 2004

Date of mailing of the international search report

22 JUL 2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	GB 2261248 A (ABRU ALUMINIUM LIMITED) 12 May 1993	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/000824

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
EP	0550578	AU	85399/91	BR	9106902	CA	2092810
		FI	931313	NO	931121	SG	63586
		US	5501053	WO	9205893		
SU	1558529	NONE					
DT	2459421	NONE					
WO	9423149	AU	53560/96	AU	66992/94	BR	9405803
		CA	2159492	CZ	9502513	EP	0692053
		HU	72379	NZ	265766	PL	320748
		SK	122095	US	5499480	US	5664388
		US	5692353	US	5842318	US	5904025
		WO	9630606	ZA	9602401		
GB	2261248	EP	0540325				

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX